

[illegible]

A system and method for generic and dynamic mapping of managed object metadata. The data to be mapped may include type information about an attribute, action, or notification of a managed object. The first data type may be entered into the mapping system, and then the corresponding second data type may be determined. Finally, the second data type may be returned. In this manner, data types related to the attributes, events, or other parameters of managed objects may be converted between various data description languages, such as OMG IDL and ASN1. One of the data types may be represented in a generic interface description language which is operable to describe interfaces to managed objects across a plurality of platforms and across a plurality of programming languages. In addition, a single interface may be defined to describe substantially all data types and all managed objects. Having a single object interface for all TMN managed objects saves significant resources in that there is no need to statically compile and store separate interfaces for the many objects, which may increase the scalability of a network management system dramatically. One may also add a new object to the system without bringing the system down to compile a new interface, making it much easier to maintain system operations with little or no downtime.